

Patent
924511-100030

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:)
) **Group Art Unit:** Not Yet Assigned
 MURPHY, David, et al.)
) **Examiner:** Not Yet Assigned
 Serial No.: 10/734,726)
)
 Filed: December 12, 2003)
)
 For: DEPLOYABLE TRUSS HAVING)
 SECOND ORDER)
 AUGMENTATION)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in the Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner. Applicant respectfully requests that a copy of the Form PTO-1449, as considered and initialed by the Examiner, be returned with the next communication.

The items identified in the IDS may or may not be "material" pursuant to CFR § 1.56. The submission thereof by Applicant is not be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR §1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

In accordance with 37 CFR 1.97(g), the filing of the Information Disclosure Statement shall not be construed to mean that a search has been made or the no other material information, as defined in 37 CFR 1.56, exists.

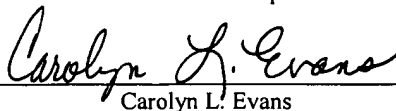
CERTIFICATE OF MAILING
(37 C.F.R. §1.10)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450.

June 28, 2004

Date of Deposit

LAI-2097800v1


Carolyn L. Evans

INFORMATION DISCLOSURE STATEMENT FILING PROVISION:

☒ This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d); or (2) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (3) before the mailing of a first Office Action on the merits; or (4) before the mailing of a first Office Action after filing a request for continued examination under § 1.114. Thus, no fee is required.

☒ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.

☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.

☐ This IDS is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office Action on the merits, but before a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311.

☐ The fee due under 37 CFR § 1.17(p) is submitted herewith.

☐ A statement under 37 CFR § 1.97(e) is included below, thus no fee is required. In the event that this IDS is not received for a Final Action or a Notice of Allowance, then Applicant respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR § 1.97(d) and charge the fee due under 37 CFR § 1.17(p) to the deposit account below.

☐ This IDS is being submitted under 37 CFR § 1.97(d), that is after a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee. A statement under 37 CFR § 1.97(e) is included below. The fee due under 37 CFR § 1.17(p) is submitted herewith.

STATEMENT UNDER 37 CFR § 1.97(e):

☐ Each item contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ No item contained in the IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this statement after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this IDS.

PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:

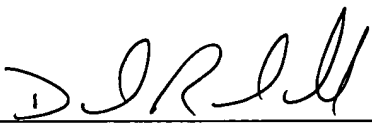
- ☐ A check in the amount of _____ is enclosed for the above fee(s).
- ☐ Please charge _____ to Deposit Account No. 50-2468 for the above fee(s).

The Commissioner is authorized to charge any fees required by the filing of these papers, and to credit any overpayment to Jones Day's Deposit Account No. 50-2468.

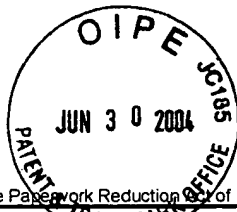
Respectfully submitted,

JONES DAY

Dated: June 28, 2004

By: 
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Reg. No. 37,217

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
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Substitute for form 1449 PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/734,726
Filing Date	December 12, 2003
First Named Inventor	MURPHY, David, et al
Art Unit	
Examiner Name	
Attorney Docket Number	924511-100030

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US- 3,144,104	08-11-1964	Weir, et al.	
	AB	US- 3,434,674	03-25-1969	Groskopf, Ernest	
	AC	US- 3,486,279	12-30-1969	Webb, James E.	
	AD	US- 4,018,397	04-19-1977	Rusch, et al.	
	AE	US- 4,334,391	06-15-1982	Hedgepeth, et al.	
	AF	US- 4,475,323	10-09-1984	Schwartzberg, et al.	
	AG	US- 4,532,742	08-06-1985	Miura, Koryo	
	AH	US- 4,557,097	12-10-1985	Mikulas, Jr., et al.	
	AI	US- 4,569,176	02-11-1986	Hedgepeth, et al.	
	AJ	US- 4,599,832	07-15-1986	Benton, et al.	
	AK	US- 4,677,803	07-07-1987	Mikulas, Jr., et al.	
	AL	US- 4,918,884	04-24-1990	Okazaki, et al.	
	AM	US- 5,016,418	05-21-1991	Rhodes, et al.	
	AN	US- 5,094,046	03-10-1992	Preiswerk, Peter R.	
	AO	US- 5,267,424	12-07-1993	Douglas, Mark V.	
	AP	US- 6,076,770	06-20-2000	Nygren, et al.	
	AQ	US- 6,321,503 B1	11-27-2001	Warren, Peter A.	
	AR	US- 6,343,442 B1	02-05-2002	Marks, Geoff	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/734,726		
		Filing Date	December 12, 2003		
		First Named Inventor	MURPHY, David, et al		
		Art Unit			
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	924511-100030

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AS	AEC-ABLE, "New Structures for Large Sensor Array Platforms - Phase I Final Report," (6/14/03)	
	AT	AEC-ABLE, "NASA SBIR Phase 2 Proposal for New Structures for Large Sensor Array Platforms: Hardware Development of Second-order Augmentation of Lattice Trusses" (7/14/03)	
	AU	R.F. CRAWFORD, "Strength and Efficiency of Deployable Booms for Space Applications," AAS/ AIAA Variable Geometry and Expandable Structures Conf., Anaheim, Calif., AIAA Paper No	
	AV	PowerPoint Slides used in a December 12, 2002 Briefing by AEC-ABLE to the National Reconnaissance Organization	
	AW	THOMAS W. MURPHEY, "Performance Trends in Hierarchical Space Structures," posted to AEC-Able's Website April 2002	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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